



PepThi	1	M	A	R	S	I	Y	F	M	A	F	L	V	D	A	M	T	D	F	V	A	Y	G	Y	Q	G	K	-	-	E	I	C	K	E	L	T	34				
PepDef	1	M	A	G	F	S	K	V	V	A	T	I	F	D	M	M	L	D	V	F	A	T	D	M	M	A	E	A	K	I	C	E	A	L	S	G	N	36			
L. esculentum	1	M	A	R	S	I	F	F	M	A	F	L	V	D	A	M	M	D	F	V	I	Y	E	Y	E	A	Q	-	-	I	C	K	A	P	S	Q	T	35			
N. excelsior	1	M	A	R	S	V	C	F	M	A	F	A	I	D	A	V	M	D	F	V	A	Y	D	Y	E	A	K	-	-	D	C	K	T	E	S	N	T	34			
N. tabacum	1	M	A	R	S	L	C	F	M	A	F	A	I	D	A	M	M	D	F	V	A	Y	E	Y	Q	A	R	-	-	E	C	K	T	E	S	N	T	34			
N. paniculata	1	M	A	R	S	L	C	F	M	A	F	A	V	D	A	M	M	D	F	V	A	Y	E	Y	Q	A	K	S	-	T	C	K	A	E	S	N	T	35			
PepThi	35	K	P	V	K	G	S	S	D	P	L	G	Q	K	L	C	M	E	K	E	K	Y	E	D	G	H	G	F	T	I	D	S	K	G	D	G	M	70			
PepDef	37	F	K	G	L	G	L	S	S	R	D	G	G	N	V	C	R	R	-	E	G	F	T	D	G	S	G	I	G	F	R	L	Q	G	F	G	D	71			
L. esculentum	36	F	P	G	L	G	F	M	D	S	S	G	R	K	Y	C	I	K	-	E	K	F	T	G	G	H	G	S	K	L	Q	R	K	G	D	G	D	70			
N. excelsior	36	F	P	G	I	G	I	T	K	P	P	G	R	K	A	C	I	K	-	E	K	F	T	D	G	H	G	S	K	I	D	R	R	G	D	G	D	69			
N. tabacum	36	F	P	G	I	G	I	T	K	P	P	G	R	K	A	C	I	S	-	E	K	F	T	D	G	H	G	S	K	L	D	R	R	G	D	G	D	69			
N. paniculata	36	F	P	G	L	G	I	T	K	P	P	G	R	K	A	C	L	S	-	E	K	F	T	D	G	K	G	S	K	I	D	R	R	G	I	G	Y	70			
PepThi	71	K	R	C	N	A	K	-	-	-	-	T	L	A	T	E	L	L	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84			
PepDef	72	K	P	C	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75				
L. esculentum	71	K	P	C	V	F	D	-	-	-	-	K	I	S	S	E	V	K	A	T	L	G	E	E	A	K	T	L	S	E	V	V	L	E	E	E	I	M	E	105	
N. excelsior	70	K	P	C	V	F	D	E	-	-	-	K	M	I	K	T	G	A	E	T	L	A	E	E	A	T	T	L	A	A	A	L	L	E	E	E	I	M	D	N	105
N. tabacum	70	K	P	C	V	F	D	E	-	-	-	K	M	I	K	T	G	A	E	T	L	V	E	E	A	K	T	L	A	A	A	L	L	E	E	E	I	M	D	N	105
N. paniculata	71	K	P	C	V	F	D	G	-	-	-	K	M	I	Q	T	G	A	E	N	L	A	E	E	A	E	T	L	A	A	A	L	L	E	E	E	M	D	N	106	

FIG. 1



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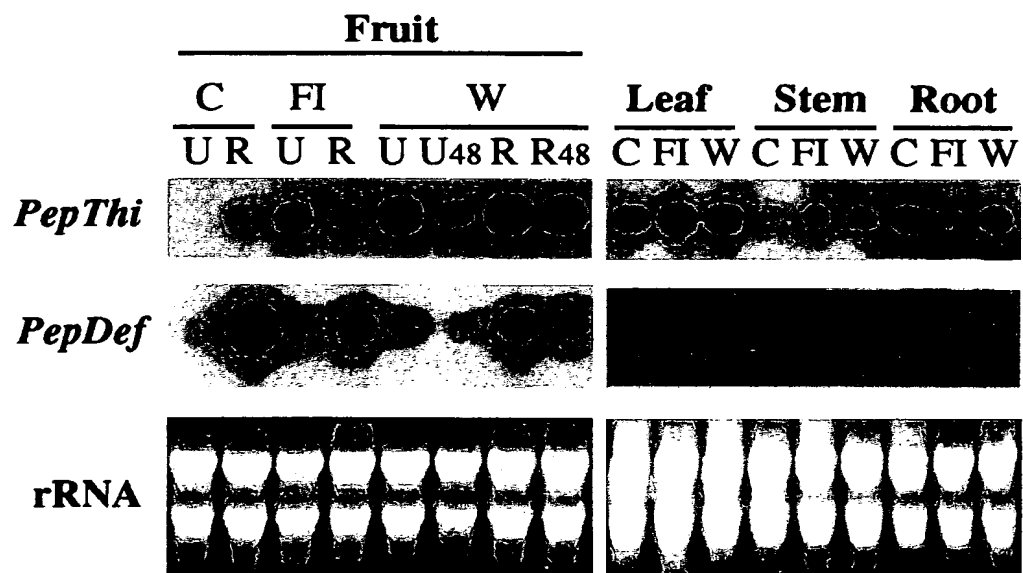


FIG.2



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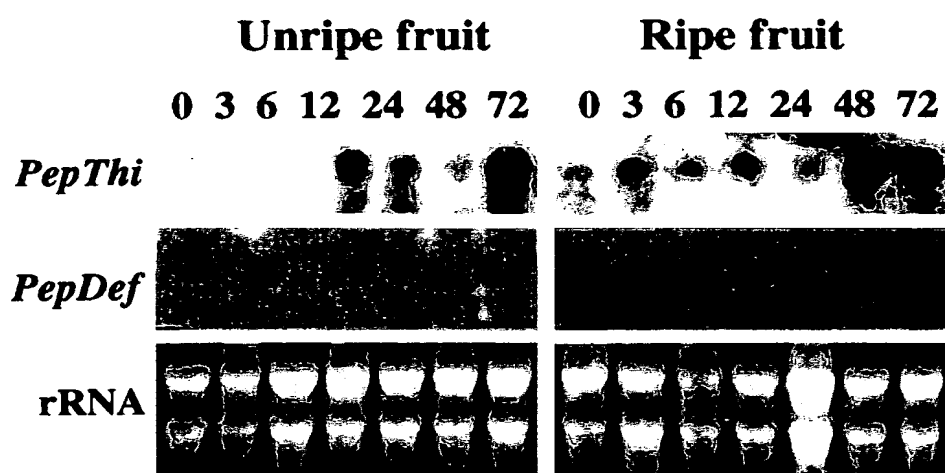


FIG.3



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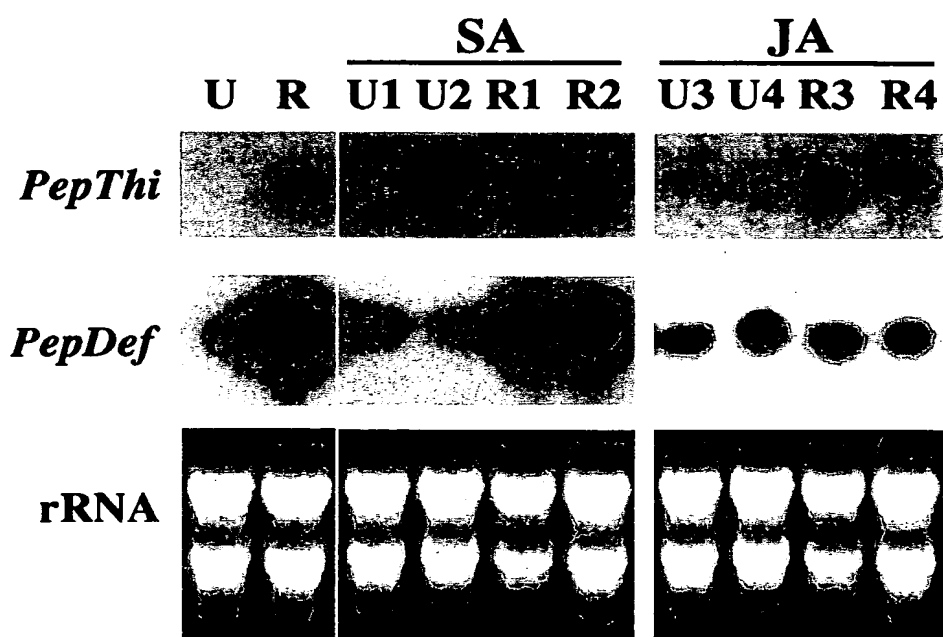


FIG.4